

Reflective Cracking Construction Notes

Date: January 21, 2015

Project: Reflective Cracking Indoor Phase IV

Weather:

	6:54 AM	3:54 PM
Temperature (°F):	24.1	30.9
Dew Point (°F):	19.0	28.9
Humidity (%):	81	92
Visibility (Miles):	10.0	0.5
Wind (MPH):	4.6 NNE	4.6 N
Conditions:	Clear	Snow

Working Hours: 7:00 AM – 4:30 PM

Sub-Contractor(s): ARA

Personnel: (1) technician (ARA)

Equipment: Hand tools

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After receiving email direction from the Gemini engineer to install the majority of the surface strain gauges on the Phase IV asphalt test items, an SRA engineer applied the adhesive to the top surface of the asphalt test items within the environmental chamber and affixed (8) of the required (18) surface gauges ((3) of the side surface gauges on the South test item were eliminated as a result of cracks initiated by the rig movement incident). The gauges were weighed down with steel plates to stabilize the gauges and ensure good contact with the test surface as the adhesive cures, as shown in Figure 1.



(a)



(b)

Figure 1. Surface Strain Gauges Weighed Down with Steel Plates.